Case Study - Cotehele Mill

Small scale micro-hydro installation at historic mill site

- *Existing mill in regular operation*
- *Good quality Salmonid river*
- *7m of fall*
- *National Trust client, system to be separate to mill and easy to run*
- *Wet site*
- *Poor access*

- *Design and license negotiation by WRE*
- *National Trust had tight timescales and moderate budgets*
- *Delays due to interaction with other works on site slowed down start date*
- *Fixed price installation*
- *WRE Installed all intake works, powerhouse, screening, and all M&E*
- *Commissioning*

- *Powerhouse located upstream of existing mill*
- *Fish screening agreed at forebay with fish bywash*
- *Very wet site with hard bedrock*

- *135 l/s crossflow turbine*
- *WRE automatic screen*
- *Efficient flat belt drive*
- *Piped fish bywash and integrated flood spillway*
- *Set out to WRE **HEADstart** layout*
- *5.5kW G83 grid connection*

- *Completed on budget*
- *Quiet operation*
- *Spacious powerhouse*
- *Re-use of existing historic system brings mill 'back to life'*